

# ABSTRACT OF THE DISCLOSURE

Disclosed is an optical component producing apparatus for forming a multi-layer film, which is composed of alternately stacked layers different in optical characteristic, on a base. The apparatus includes film formation means for forming the multi-layer film on the base; measurement means for measuring an optical characteristic of the optical component obtained by forming the multi-layer film on the base; and control means for controlling a thickness of a portion of the multi-layer film formed by the film formation means on the basis of the measured optical characteristic of the optical component.